

IN THE CLAIMS

The following listing of claims will replace all prior versions of claims in the application.

1 1. (currently amended) In a client-server environment, a method for providing transparency
2 in a gateway of an IP network comprising the steps of:

3 interrogating a directory comprising proxy server protocol data for each end-user of said
4 IP network;

5 retrieving parameters associated with said proxy server protocol data for a first end-user
6 in response to an access request from a client application of said first end-user;

7 accessing an application server on behalf of said client application in accordance with
8 said retrieved parameters for said first end-user; and

9 relaying data between said client application and said application server.

1 2. (previously presented) The method according to claim 1 further comprising the step of:

2 creating, in said gateway of said IP network, the directory including entries for every end-
3 user on said IP network.

1 3. (original) The method according to claim 1 further comprising the step of:

2 updating, in said gateway of said network, the directory of said end-users, said step of
3 updating the directory including the steps of:

4 disabling entries for those of said end-users that disconnect;

5 enabling entries for those of said end-users that connect; and

6 updating said entries of said end-users comprising dynamic parameters whenever said
7 parameters are changing while connected.

1 4. (currently amended) The method according to claim 1 wherein the step of retrieving
2 parameters associated with proxy server protocol data for said first end-user ~~said end-user for~~
3 ~~said access request from said client application~~ includes the steps of:

4 obtaining leading data from said client application having issued said access request for
5 said end-user;

6 parsing said leading data;

7 determining a protocol said client application is currently using;

8 interrogating said directory at an entry corresponding to said first end-user; retrieving
9 parameters associated with said protocol; and

10 executing said protocol in accordance with said parameters associated with said protocol.

1 5. (original) The method according to claim 1 further including the step of informing said
2 end-user of said client application that a server application is unavailable if a link to said
3 application server is not established.

1 6. (currently amended) A data processing system for providing a gateway of an IP network,
2 comprising:

3 circuitry operable for interrogating a directory comprising proxy server protocol data for
4 each end-user of said IP network;

5 circuitry operable for retrieving parameters associated with said proxy server protocol
6 data for a first end-user in response to an access request from a client application of said first
7 end-user; and

8 circuitry operable for accessing an application server on behalf of said client application
9 in accordance with said retrieved parameters for said first end-user; and

1 circuitry operable for relaying data between said client application and said application
2 server.

1 7. (previously presented) The system according to claim 6 further comprising:

2 circuitry operable for creating, in said gateway of said IP network, the directory including
3 entries for every end-user on said IP network.

1 8. (original) The system according to claim 6 further comprising:

2 circuitry operable for updating, in said gateway of said network, the directory of said end-
3 users, said circuitry operable for updating the directory including:

4 circuitry operable for disabling entries for those of said end-users that disconnect;

5 circuitry operable for enabling entries for those of said end-users that connect; and

6 circuitry operable for updating said entries of said end-users comprising dynamic
7 parameters whenever said parameters are changing while connected.

1 9. (previously presented) The system according to claim 6 wherein the circuitry operable
2 for retrieving parameters associated with said end-user for said access request from said client
3 application includes:

4 circuitry operable for obtaining leading data from said client application having issued
5 said access request for said end-user;

6 circuitry operable for parsing said leading data;

7 circuitry operable for determining a protocol said client application is currently using;

8 circuitry operable for interrogating said directory at an entry corresponding to said first
9 end-user; and

10 circuitry operable for retrieving parameters associated with said protocol;

11 executing said protocol in accordance with said parameters associated with said protocol.

1 10. (original) The system according to claim 6 further including the circuitry operable for
2 informing said end-user of said client application that a server application is unavailable if a link
3 to said application server is not established.

1 11. (currently amended) A computer program product embodied in a tangible storage
2 medium, the program product for providing transparency in a gateway of an IP network, the
3 program product including a program of instructions for performing the steps of:

4 interrogating a directory comprising proxy server protocol data for each end-user of said
5 IP network;

6 retrieving parameters associated with said proxy server protocol data for a first end-user
7 in response to an access request from a client application of said first end-user;

8 accessing an application server on behalf of said client application in accordance with
9 said retrieved parameters for said first end-user; and

10 relaying data between said client application and said application server.

1 12. (previously presented) The computer program product according to claim 11, further
2 comprising instructions for performing the step of:

3 creating, in said gateway of said IP network, the directory including entries for every end
4 user on said IP network.

1 13. (original) The program product according to claim 11 further comprising instructions for
2 performing the step of:

3 updating, in said gateway of said network, the directory of said end-users, said step of
4 updating the directory including the steps of:

5 disabling entries for those of said end-users that disconnect;

6 enabling entries for those of said end-users that connect; and

7 updating said entries of said end-users comprising dynamic parameters whenever said
8 parameters are changing while connected.

1 14. (previously presented) The program product according to claim 11 wherein the step of
2 retrieving parameters associated with said end-user for said access request from said client
3 application includes the steps of:

4 obtaining leading data from said client application having issued said access request for
5 said end-user;

6 parsing said leading data;

7 determining a protocol said client application is currently using;

8 interrogating said directory at an entry corresponding to said first end-user; retrieving
9 parameters associated with said protocol; and

10 executing said protocol in accordance with said parameters associated with said protocol.

1 15. (original) The program product according to claim 11 further including instructions
2 for performing the step of informing said end-user of said client application that a server
3 application is unavailable if a link to said application server is not established.